

Title (en)
VALVE AND PACKAGE PROVIDED WITH SAME

Title (de)
VENTIL UND DAMIT VERSEHENE VERPACKUNG

Title (fr)
VALVE ET EMBALLAGE MUNI D'UNE TELLE VALVE

Publication
EP 3868684 A4 20220713 (EN)

Application
EP 19872381 A 20191015

Priority
• JP 2018194191 A 20181015
• JP 2019040368 W 20191015

Abstract (en)
[origin: EP3868684A1] Provided is a valve for forming a passage through which the inside and the outside of the packaging container constituted by resin molded articles or films are in communication with each other. The valve includes a breakable valve that is arranged so as to block the passage and splits open when internal pressure of the packaging container increases due to gas generated inside the packaging container, a check valve that is arranged on a secondary side located on an outer side with respect to the breakable valve in the passage and through which the gas is discharged from the inside of the packaging container to the outside thereof according to internal pressure of the packaging container after the breakable valve has split open, and an attachment portion that delimits at least a portion of the passage and is fixed to the packaging container in a state of being sandwiched between the resin molded articles or the films constituting the packaging container.

IPC 8 full level
B65D 77/22 (2006.01); **H01M 50/105** (2021.01); **H01M 50/183** (2021.01); **H01M 50/317** (2021.01); **H01M 50/342** (2021.01)

CPC (source: EP KR US)
B65D 33/01 (2013.01 - KR); **B65D 33/22** (2013.01 - KR); **B65D 47/063** (2013.01 - KR); **B65D 47/32** (2013.01 - KR); **B65D 49/08** (2013.01 - KR); **B65D 77/225** (2013.01 - EP US); **B65D 81/263** (2013.01 - KR); **F16K 15/1823** (2021.08 - KR); **F16K 17/048** (2013.01 - US); **F16K 17/16** (2013.01 - US); **F16K 17/164** (2013.01 - KR); **H01M 50/105** (2021.01 - EP); **H01M 50/183** (2021.01 - EP); **H01M 50/30** (2021.01 - KR); **H01M 50/317** (2021.01 - EP); **H01M 50/3425** (2021.01 - EP US); **F16K 17/0406** (2013.01 - US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)
No further relevant documents disclosed

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3868684 A1 20210825; **EP 3868684 A4 20220713**; CN 112839881 A 20210525; CN 112839881 B 20220712; JP 2020063058 A 20200423; KR 20210075977 A 20210623; US 11988293 B2 20240521; US 2021341068 A1 20211104; WO 2020080325 A1 20200423

DOCDB simple family (application)
EP 19872381 A 20191015; CN 201980068031 A 20191015; JP 2018194191 A 20181015; JP 2019040368 W 20191015; KR 20217007977 A 20191015; US 201917285016 A 20191015